

1 This listing of claims will replace all prior versions, and listings, of claims
2 in the application:

3

4 **Listing of Claims**

5

6 Claim 1 (Original): A method comprising:
7 reading at least a subset of audio content comprising an audio file from
8 optical media removably integrated with an optical drive; and
9 analyzing at least the read subset of audio content to quantify optical drive
10 read accuracy; and
11 generating one or more metrics of optical drive read accuracy based, at least
12 in part, on the analysis of the read subset of audio content.

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14 Claim 2 (Original): A method according to claim 1, wherein reading at
15 least a subset of audio content comprises:
16 reading a block of audio content; and
17 iteratively repeating the reading step using different block sizes.

18

19 Claim 3 (Original): A method according to claim 2, wherein analyzing
20 the audio content comprises:
21 comparing a first bundle of audio content from one sector of a block of
22 audio content to a second bundle of audio content from the one sector of the block;
23 and
24 measuring a difference in amplitude between the first bundle and the
25 second bundle to quantify intra-sector misalignment.

1
2 Claim 4 (Original): A method according to claim 3, wherein analyzing
3 the audio content further comprises:

4 comparing a last bundle of audio content from one sector of a block of
5 audio content to a first bundle of audio content from a subsequent sector of the
6 block of audio content; and

7 measuring an amplitude difference between the bundles to quantify inter-
8 sector misalignment.

9
10 Claim 5 (Original): A method according to claim 4, wherein the
11 subsequent bundle is immediately adjacent to the first bundle.

12
13 Claim 6 (Original): A method according to claim 4, further comprising:
14 adjusting one or more operational settings associated with the optical drive
15 based, at least in part, on the intra- and/or inter-sector misalignment.

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17 Claim 7 (Original): A method according to claim 4, wherein analyzing
18 the audio content further comprises:

19 comparing data associated with a left channel of a bundle with data
20 associated with a right channel of the bundle; and

21 measuring an amplitude difference between the left channel and the right
22 channel to quantify a channel offset.

1 Claim 8 (Original): A method according to claim 7, further comprising:
2 adjusting one or more operational settings associated with the optical drive
3 based, at least in part, on the intra-sector misalignment and/or the channel offset.

4

5 Claim 9 (Original): A method according to claim 1, wherein analyzing
6 the audio content further comprises:

7 comparing a last bundle of audio content from one sector of a block of
8 audio content to a first bundle of audio content from a subsequent sector of the
9 block of audio content; and one or more of:

10 measuring an amplitude difference between the bundles to quantify inter-
11 sector misalignment.

12 measuring an amplitude difference between data associated with a left
13 channel of a bundle and data associated with a right channel of the bundle to
14 quantify channel offset.

15

16 Claim 10 (Currently amended): A method according to claim 1, wherein
17 analyzing the audio content comprises:

18 comparing audio content within and between [[to]] two adjacent sectors to
19 quantify one or more of intra-sector misalignment, inter-sector misalignment
20 and/or channel offset metrics.

21

22 Claim 11 (Currently amended): A machine-computer readable medium
23 ~~having stored thereon a plurality of comprising of~~ executable instructions which,
24 when executed, implement [[a]]the method according to claim 1.

1 Claim 12 (Original): A computer system comprising:
2 a storage device having stored therein a plurality of executable instructions;

3 and

4 an execution unit, coupled to the storage device, to selectively execute at
5 least a subset of the plurality of executable instructions to implement a method
6 according to claim 1.

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8 Claims 13-15 (Canceled)

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